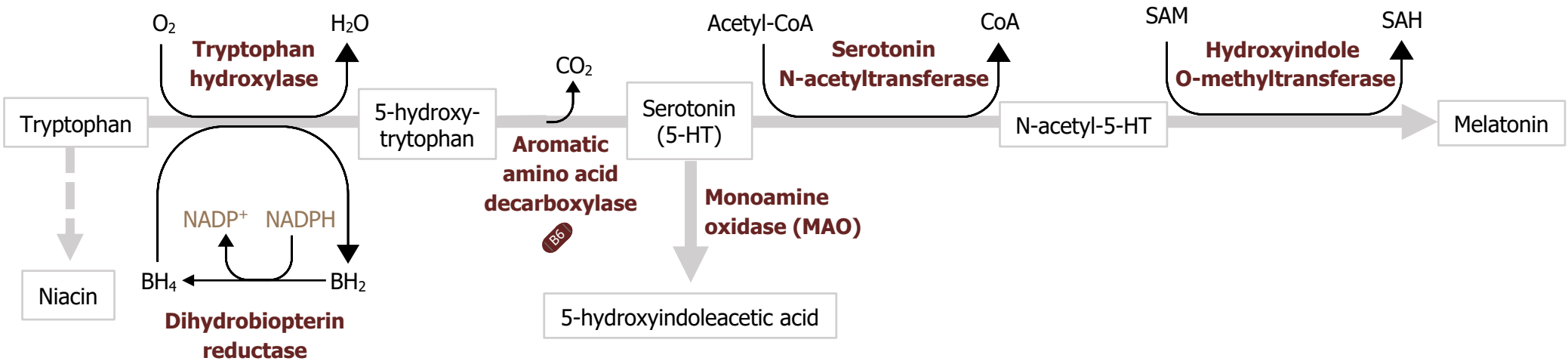
O2
H2O
Tryptophan hydroxylase
Tryptophan
5-hydroxy-trytophan
CO2
Aromatic amino acid decarboxylase
B6
Serotonin (5-HT)
Acetyl-CoA
CoA
Serotonin N-acetyltransferase
N-acetyl-5-HT
SAM
SAH
Hydroxyindole O-methyltransferase
Melatonin
Monoamine oxidase (MAO)
5-hydroxyindoleacetic acid
Niacin
NADP+
NADPH
BH4
BH2
Dihydrobiopterin reductase